

# ***FUEL CELL INSULATING HEAT EXCHANGER***

## **Abstract**

An enclosure for a fuel cell stack for insulating the hot zone of the fuel cell stack and for exchanging heat from the fuel cell stack to a reactant that passes through the enclosure to be used by the fuel cell stack. The enclosure comprises at least one chamber having an intake means for the reactant and an exhaust means for passing the reactant to the fuel cell stack. In one embodiment there are three layered chambers.